CrashCore[™] Bollard

Crash-Rated S15 Asphalt Bollard Installation Instructions





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McCue UK & Europe

Flat Head Screw, 1/2"-13 Thread, 2" long



Suggested Tool List

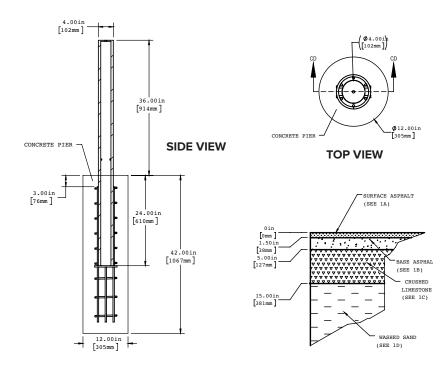
Below you will find the suggested tools for a deep cage CrashCore Bollard installation

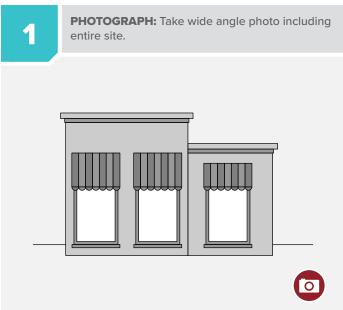
F.	EQUIPMENT				HARDWA	ARE	& SUPPLIES
	Skid Steer with 12" Auger & Bucket Attachments Core Drill with 12" Diamond Core Bit Small Concrete Mixer or 5 Gallon bucket with Concrete Paddle Mixer Gas-Powered Generator Wet/Dry Vacuum	Pressure Washer Portable Work Lights (If Night Work) Cordless Blower Pallet Jack with 5000 lb Capacity Cordless Impact Driver Dumpster	ortable Work Lights Night Work) ordless Blower allet Jack with 5000 lb apacity ordless Impact Driver		Fast-Setting Concrete Mix with Minimum 3000 psi — Approximately 2 ft³ Per Bollard 1/4" x 1-3/4" Tapcon Self-Threading Concrete Anchors 3/16" Carbide Tip Masonry Drill Bit 5/16" Hex Impact Socket 5/16" Allen Key or Hex Bit Towels or Rags for Cleaning Stainless Steel Stainless Steel-Safe Cleaner		
	TOOLS Chalk for Marking Concrete, Chalk Line Chalk Line or Laser Tape Measure 24" Push Broom 7" Corn Hand Broom Finishing Trowel Flat Transfer Shovel Round Point Shovel	Level Extension Cord 48" Post Hole Digger Wheelbarrow Web Slings for Lifting at least 1000 lb Capacity Square with at least 2 ft Blade 3/4" Water Hose with Hose Head Nozzle		or Dead B Shut-Off Vo (Water Sec 2 Adjustab Wrenches Utility Knife String or W Digging Ba	ole Pipe		PPE Dust Mask Eye Protection Steel Toe Boots Ear Protection Gloves
	OH SH!T LIST Cones Caution Tape Metal Barricade	Steel Tamper Jack Hammer 1/2" - 13 Tap		3/8″ or #3 Rebar Masking Ta	x 36″ Rod or ape		Tarp

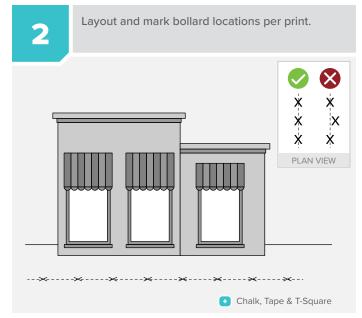
GROUND CONDITIONS

PER ASTM F3016

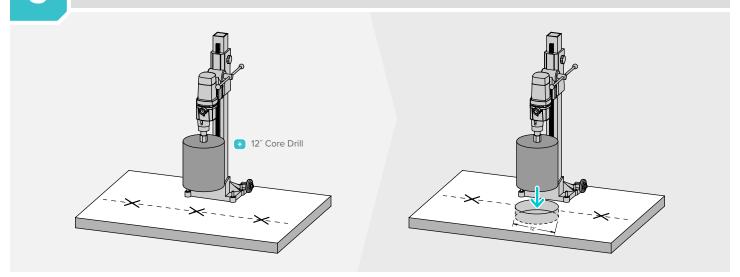
- □ **1a:** The surface asphalt is TxDOT type D surface asphalt.
- ☐ **1b:** The asphalt base is TxDOT type B base asphalt.
- ☐ **1c:** The base is Type A Grade 1 Crushed limestone road base, compacted to 90% of standard proctor density.
- ☐ **1d:** The washed sand shall be classified as SP - poorly graded sand & be compacted to a density of not less than 90% maximum dry density in accordance with AASHTO Method of Test T099.



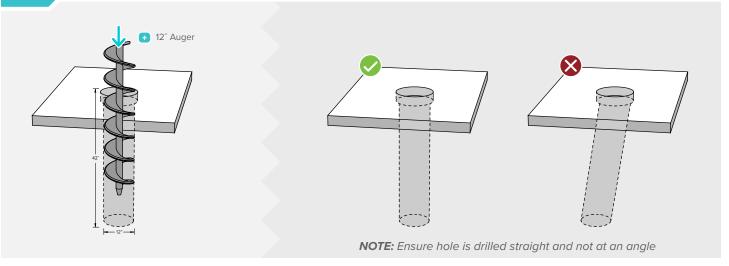




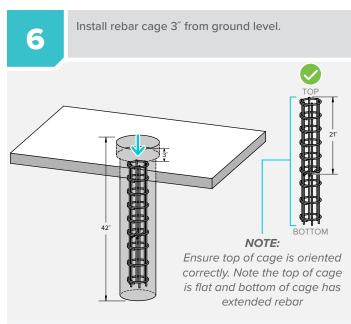
Use the 12" core drill to drill through concrete. Keep it clean — use the wet vac to make sure concrete slurry doesn't stain the sidewalk or enter drains.

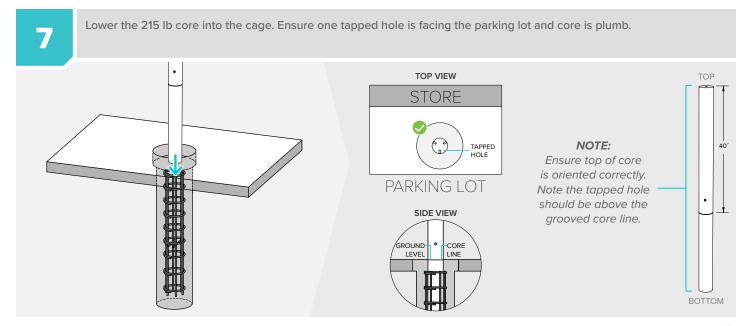


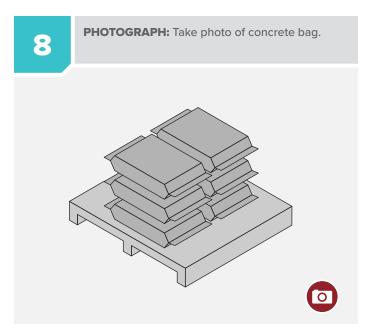


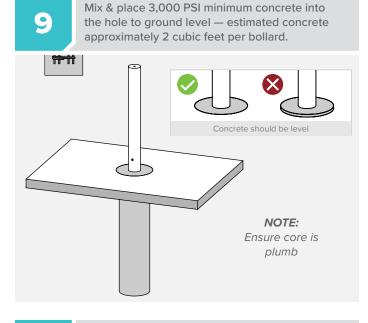


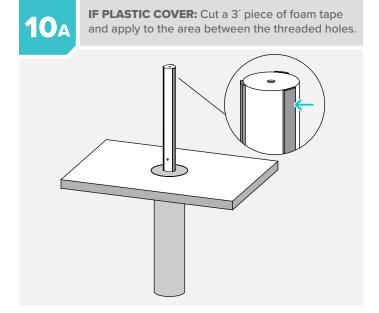


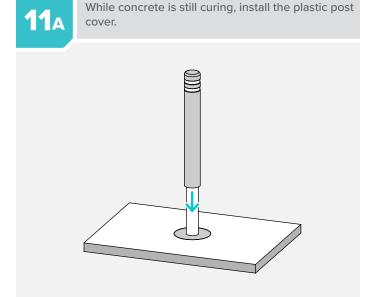


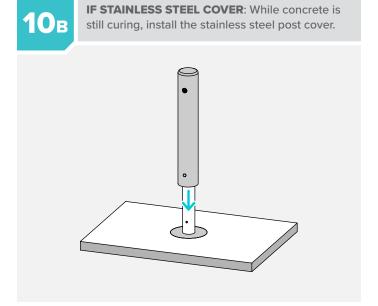


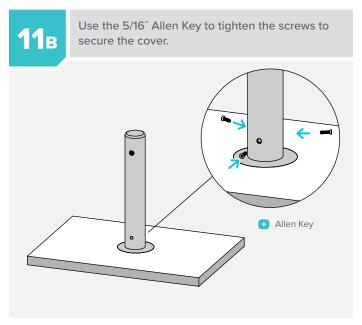


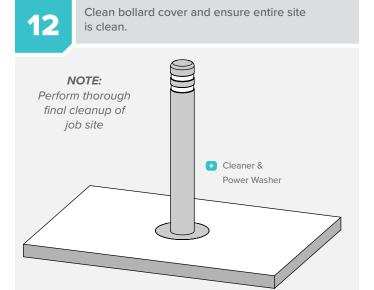


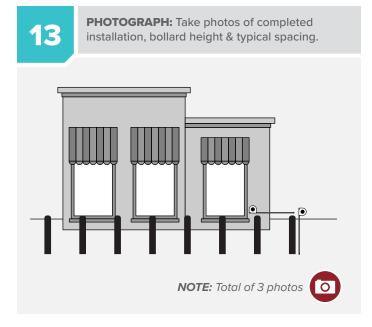












Installation Checklist

Ensure all items are complete before finishing installation

MEASUREMENT CHECK

- 42" Deep hole
- 12" Diameter hole
- Cage is 3" from ground level

CORE ALIGNMENT

- Center the core in the hole
- Core is plumb
- Check the overall height of the bollard from ground level using a tape measure and the line on the core

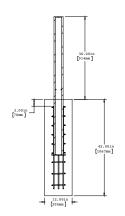
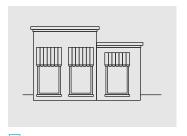
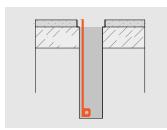


PHOTO CHECK: Ensure to document the completion of each specified step that included a photo icon as shown below



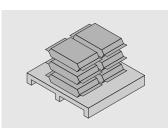
Before Photo Of Work Site



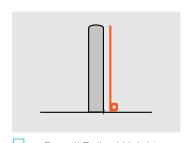
42" Deep Hole



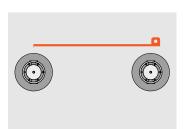
12" Diameter Hole



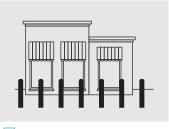
Concrete Bag



Overall Bollard Height



Typical Bollard Spacing



Finished Site Installation



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